

Title (en)
SYNTHESIS OF IMPROVED ZEOLITES

Publication
EP 0196078 B1 19900627 (EN)

Application
EP 86104118 A 19860325

Priority
US 71642685 A 19850327

Abstract (en)
[origin: EP0196078A2] Maximum aluminium X-type zeolite, useful as a water softening detergent builder, is produced by a relatively short term reaction at controlled temperature (on the order of 45-75 °C) in a caustic meta kaolin reactant mixture.

IPC 1-7
C01B 33/34; C11D 3/12

IPC 8 full level
C01B 39/22 (2006.01); **C11D 3/12** (2006.01)

CPC (source: EP US)
C01B 39/22 (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **Y10S 423/21** (2013.01 - EP US)

Cited by
EP0960854A1; EP0922673A1; US5993773A; EP0816291A1; US5908823A; US6306363B1; WO0248040A3

Designated contracting state (EPC)
BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0196078 A2 19861001; EP 0196078 A3 19870415; EP 0196078 B1 19900627; DE 3672236 D1 19900802; US 4606899 A 19860819

DOCDB simple family (application)
EP 86104118 A 19860325; DE 3672236 T 19860325; US 71642685 A 19850327